

CLAIMS

1. A mortice lock including a deadbolt retained within a lock case and movable between an unlocking position wherein the deadbolt is disposed within the lock case, and a locking position in which it extends outwardly from a fore-end thereof, and a driving mechanism rotatable about an axis transverse to the direction of movement of the deadbolt and having a cam which connects with and moves the deadbolt between said positions;
characterised by at least one contact member mounted on and movable with respect to the deadbolt between a first position in which the contact member maintains contact with the driving member to effect a full throw of the deadbolt in one direction, and a second position to enable a full throw of the deadbolt in an opposite direction.
2. A mortice lock according to claim 1 wherein the driving member is a key.
3. A mortice lock according to claim 1 wherein the driving member is a cylinder cam.
4. A mortice lock according to claim 1 wherein the driving member is a key cam associated with multiple levers.
5. A mortice lock according to any preceding claim including two contact members mounted on the deadbolt, one of which maintains contact with the driving member throughout the

movement of the deadbolt into the locking position, the other maintaining contact with the driving member throughout the movement of the deadbolt into the unlocking position.

6. A mortice lock according to any preceding claim wherein the or each contact member is movable into a position in which it prevents movement of the deadbolt.
7. A mortice lock according to any preceding claim wherein the or each contact member has a cam follower residing in a track in the lock case, the track being formed to effect movement of the contact member between its first and second positions.
8. A mortice lock according to any preceding claim wherein the deadbolt, in its locking position, extends from the fore-end of the lock case by 20mm.
9. A mortice lock according to any preceding claim in which the or each contact member is slidably mounted on the deadbolt and has a pin which permits limited vertical movement within a slot in the deadbolt.
10. A mortice lock according to any preceding claim including a dummy lever which is adapted to move horizontally within the lock case along with the deadbolt and has a pin which rides in a horizontal track in the lock case.
11. A mortice lock according to any preceding claim including a spring located to urge the or each contact member in a downwards direction in relation to the deadbolt during operation of the lock.

12. A mortice lock according to claim 1 wherein the or each contact member is rotatably movable with respect to the deadbolt to extend the range of contact between the driving member and the deadbolt.
13. A mortice lock according to claim 1 including at least one wedge mounted in the casing and contacted by the or each contact member thus to effect movement thereof relative the deadbolt.